

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000543**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 06-Dec-2007**Location:** Changxing Island, Shanghai, China

**Submittals(New / Total):**      **CWR's:** /      **HSR's:** /      **NCR's:** /

Item	Title	Detail
1	Major component movement	<p>OBG Production:</p> <p>Welding floorbeams,</p> <p>Tack welding T-Stiffeners to Skin Plates (cracks observed in tack welds).</p> <p>77m Tower Mock-up:</p> <p>No welding observed.</p> <p>89m Tower Mock-up:</p> <p>No welding observed.</p> <p>114m Tower Mock-up:</p> <p>Fitting Skin Plates to temporary diaphragm.</p> <p>Deck Plate Mock-up:</p> <p>Assembling bolted splice connection.</p> <p>Closed-rib Weld Trial:</p> <p>QA, ABF and ZPMC performing UT of the closed-ribs.</p>
2	Meetings attended	<p>Caltrans met with ABF and ZPMC at 1300 to discuss issues and the schedule for the next three days.</p> <p>ZPMC asked about material receiving procedures. Caltrans explained that we will be performing random observation only. Batch 42 is considered received by Caltrans. Caltrans has committed to give ABF and ZPMC written confirmation of material received. ABF will continue to perform verification of the material and notify Caltrans when inspections are being performed. Caltrans stated we would still like to perform complete inspections on the shapes that require normalizing and the shapes with lost traceability.</p> <p>ZPMC asked about the status of the Dimensional Verification Plans submitted by ABF. Caltrans responded that the OBG plan was submitted</p>

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for information only. Caltrans will be responding to the Tower plan. The plan is considered incomplete and will have comments returned to ABF. ZPMC has submitted the MSFQA for the Heat Bending at Changxing Island to ABF. ABF is currently reviewing.

ZPMC presented some information regarding the acceptance rate of the Tower Mock-up CJP stiffener welds performed in the 1G position.

However, the data appeared to have some discrepancies and ABF asked to review and confirm the data before giving to Caltrans.

ZPMC asked about the status of CWR-030. ABF stated they have already replied to ZPMC.

Caltrans addressed the matter of the W-beams that ZPMC intends to normalize. Since the material has never been submitted to the State, there is no need for the State to audit the facilities or perform witnessing of the normalizing process.

ABF submitted an RFI regarding grain size being reported on the MTR's.

The State's response to this RFI was to address this matter with the Caltrans staff in China.

ZPMC confirmed they will resume night shift work tonight.

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### 3 Key conversations

QA spoke with ABF representative Peter Ferguson regarding the cracking observed in the tack welds for the Stiffener to OBG bottom and side plates. Mr. Ferguson stated he was aware of the issued and traced the cause back to insufficient preheat. Mr. Ferguson stated ABF would ensure the appropriate preheat was used and would also suggest to ZPMC staggering the tack welds to eliminate opposing stresses.

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**Inspected By:** McClary,David

Quality Assurance Inspector

**Reviewed By:** Lowry,Patrick

QA Reviewer

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